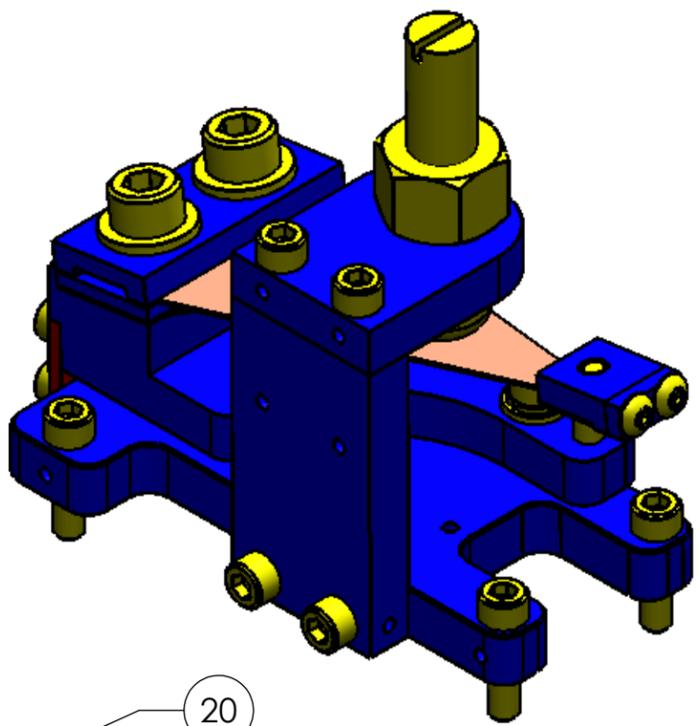


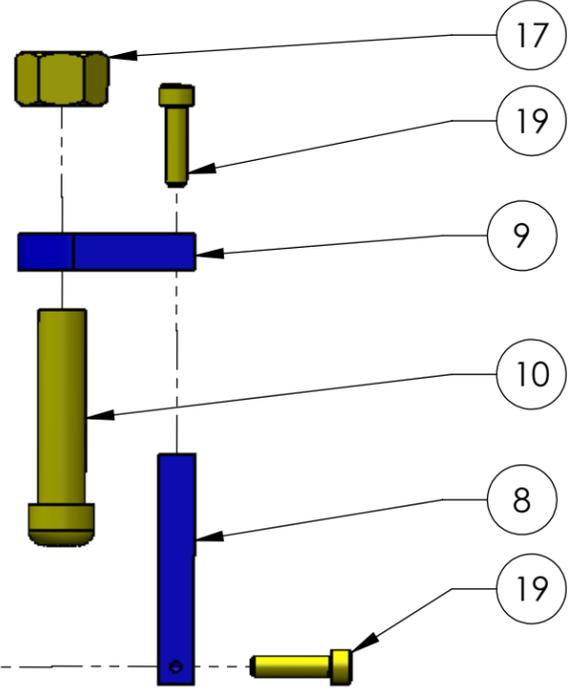
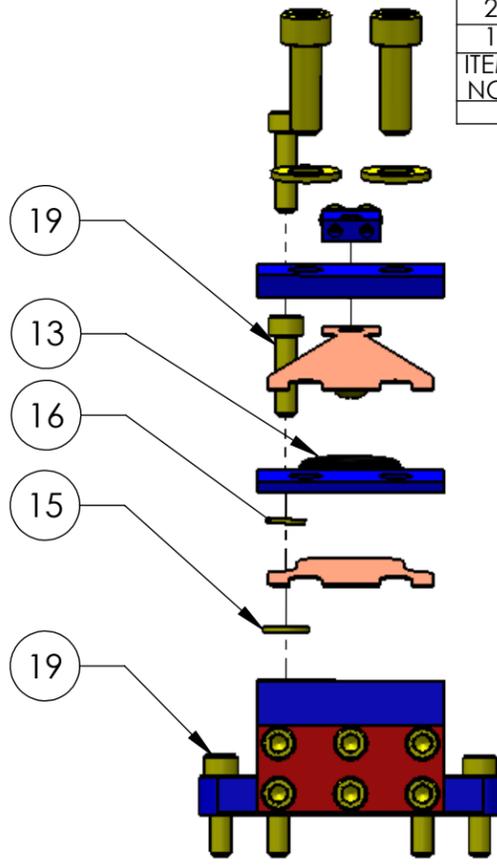
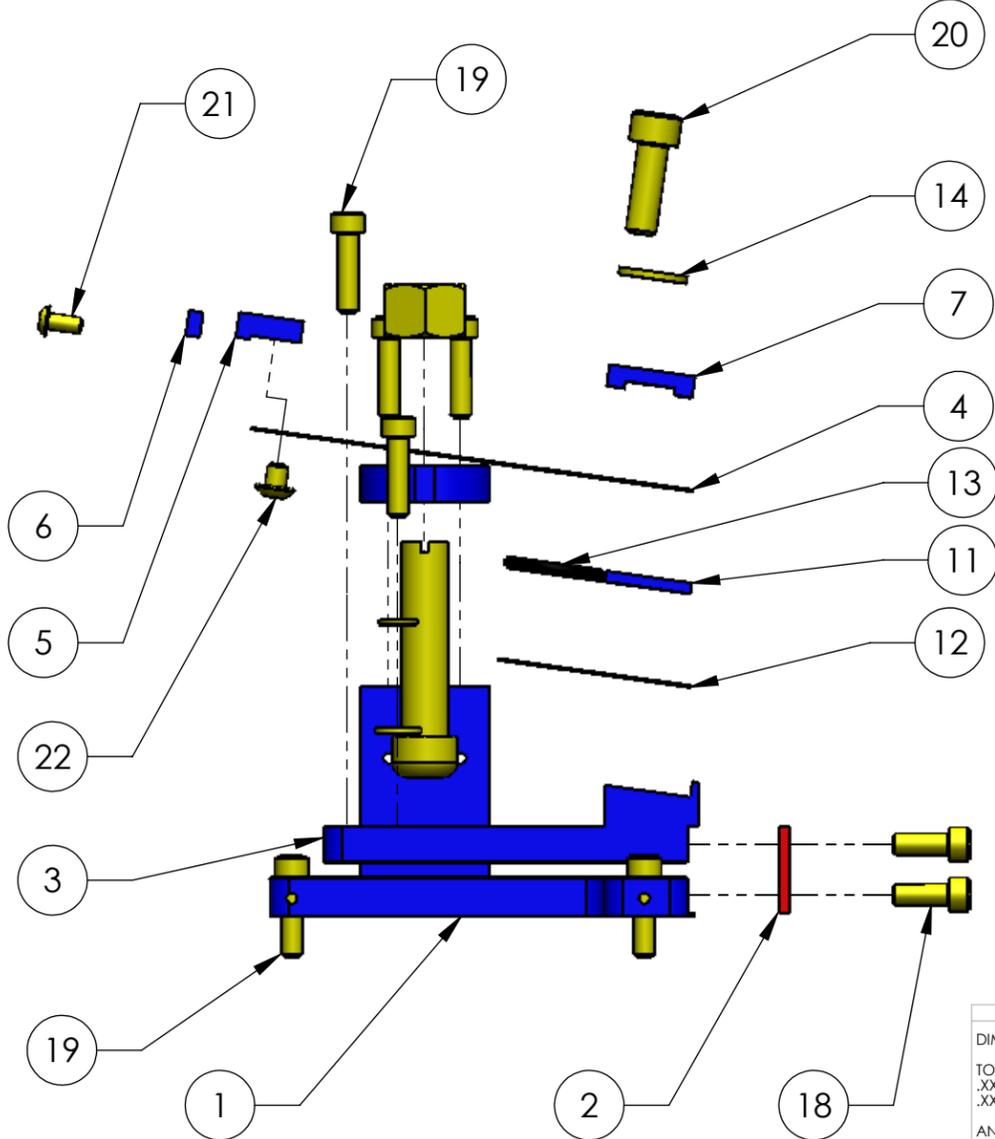
NOTES CONTINUED:
 ⑤ SCRIBE, ENGRAVE (A VIBRATORY TOOL MAY BE USED), LASER MARK OR MECHANICALLY STAMP (NO INKS OR DYES) DRAWING PART NUMBER, REVISION (AND VARIANT OR "TYPE" IF APPLICABLE) ON NOTED SURFACE OF PART FOLLOWED ON THE NEXT LINE WITH A THREE DIGIT SERIAL NUMBER. SERIAL NUMBERS START AT 001 FOR THE FIRST ARTICLE AND PROCEED CONSECUTIVELY. USE MINIMUM 0.12" HIGH CHARACTERS, UNLESS THE SIZE OF THE PART DICTATES SMALLER CHARACTERS. EXAMPLE: DXXXXXX-VY, TYPE-XX, S/N XXX

REV.	DATE	DCN #	DRAWING TREE #
-	-	-	-
-	-	-	-
-	-	-	-



ITEM NO.	PART NUMBER	Revision	DESCRIPTION	MATERIAL	REQ	SPARE	TOTAL
22			Socket Button Head Cap Screw #4-40x0.125	18-8 SSSL	1		1
21			Socket Button Head Cap Screw #2-56x0.188	18-8 SSSL	2		2
20			Socket Head Cap Screw #8-32x0.5	18-8 SSSL	2		2
19			Socket Head Cap Screw #4-40x0.4375	18-8 SSSL	10		10
18			Socket Head Cap Screw #4-40x0.3125	18-8 SSSL	6		6
17			Hex Thick Nut 1/4	18-8 SSSL	1		1
16			Lock Washer Spring Regular #4	18-8 SSSL	1		1
15			Flat Washer Type B Narrow #4	18-8 SSSL	1		1
14			Flat Washer Type B Narrow #8	18-8 SSSL	2		2
13	D1100345	v1	Tip-Tilt Blade Damping O-ring - BS013	FLUOROELASTOMER	1		1
12	D1002228	v1	Tip-Tilt Blade O-ring Ledge	Beryllium Copper, UNS C17200	1		1
11	D1002227	v1	Tip-Tilt Blade O-ring Spacer	6061-T6 Al	1		1
10	D1001491	v1	Tip-Tilt Blade ECD Screw	18-8 SSSL	1		1
9	D1001486	v1	Tip-Tilt Blade ECD Holder	6061-T6 Al	1		1
8	D1001485	v1	Tip-Tilt Blade ECD Riser	6061-T6 Al	1		1
7	D1001480	v1	Tip-Tilt Blade Clamp	6061-T6 Al	1		1
6	D1001481	v1	Tip-Tilt Wire Clamp Top - Blade Tip	6061-T6 Al	1		1
5	D1001451	v1	Wire Clamp - Blade Tip	6061-T6 Al	1		1
4	D1000765	v2	Tip-Tilt Blade 254um	Beryllium Copper, UNS C17200	1		1
3	D1002226	v1	Tip-Tilt Pitch Adjuster - 8 deg	6061-T6 Al	1		1
2	D1000810	v1	Tip-Tilt Blade Hinge Plate	304 SSSL	1		1
1	D1000766	v1	Tip-Tilt Base Pitch Adjuster	6061-T6 Al	1		1

PARTS LIST



NOTES AND TOLERANCES: (UNLESS OTHERWISE SPECIFIED)
 DIMENSIONS ARE IN
 TOLERANCES:
 .XX ±
 .XXX ±
 ANGULAR ± °
 1. INTERPRET DRAWING PER ASME Y14.5-1994.
 2. REMOVE ALL SHARP EDGES, .005-.015, FOR MACHINED PARTS. ROUND ALL EDGES APPROXIMATELY R.02 FOR SHEET METAL PARTS.
 3. DO NOT SCALE FROM DRAWING.
 4. ALL MACHINING FLUIDS MUST BE FULLY SYNTHETIC, FULLY WATER SOLUBLE AND FREE OF SULFUR, SILICONE, AND CHLORINE.
 MATERIAL N/A
 FINISH N/A μinch

CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY
 PART NAME: LIGO HAM Tip-Tilt Suspension Assembly - Blades
 SYSTEM: ADVANCED LIGO SUB-SYSTEM: ISC
 DESIGNER: BJJ Slagmolen 10 Jun 2010
 DRAFTER: BJJ Slagmolen
 CHECKER: APPROVAL:
 SIZE: B DWG. NO.: D1100913 REV.: v1
 SCALE: 1:1 PROJECTION: SHEET 1 OF 1

D1100913_v1_alIGO_HAM_Tip-Tilt_Suspension_Assembly - Blades, PART PDM REV.: , DRAWING PDM REV.: